

What is claimed is:

- 1 1. An environmentally friendly insect eradication method, the method comprising the steps of:
2 providing a canister, said canister having a pressurized, non-flammable, non-ozone
3 depleting fluorocarbon propellant disposed therein, the so disposed propellant causing the
4 canister to have a pre-voided internal pressure within the approximate range of from about
5 75 psig to about 150 psig, wherein said pressure is sufficient to introduce essentially all of
6 said propellant into the internal portion of a tree or other invaded structure via an entrance
7 or exiting insect bore; and
8 inserting a gas introduction nozzle provided with said canister into a tree or other
9 invaded structure via an entrance or exiting insect bore in such a manner to operatively
10 displace a valve mechanism connecting the nozzle and the canister to cause said propellant
11 to enter the internal portion of a tree or other invaded structure and crush or otherwise
12 displace an invasive insect accommodated therein.
- 1 2. The method of claim 1 wherein said providing step includes the step of filling said canister
2 with said propellant to within the approximate range of from about 50 psig to about 150 psig.
- 1 3. The method of claim 1 further comprising attaching the gas introduction nozzle to an exiting
2 conduit used in association with a pressurized propellant source.

1 4. An environmentally friendly insect eradication apparatus comprising:

2 a canister having a pressurized, non-flammable, non-ozone depleting fluorocarbon
3 propellant disposed therein, the so disposed propellant causing said canister to have a pre-
4 voided internal pressure within the approximate range of from about 75 psig to about 150
5 psig; and

6 a gas propellant operational valve, said valve having an operational pressure of
7 between 75 psig and 150 psig and operatively connecting the cannister with a propellant
8 introduction nozzle to communicate propellant from the interior of said canister into the
9 internal portion of a tree or other invaded structure causing a crushing or otherwise
10 displacing effect upon an invasive insect accommodated therein.

1 5. The apparatus of claim 4 wherein said cannister further comprises a re-filling valve suitable
2 having an operational pressure of between 75 psig and 150 psig to recharge the internal
3 portion of said cannister with a pressurized, non-flammable, non-ozone depleting
4 fluorocarbon propellant.

1 6. The apparatus of claim 4 further comprising an exiting conduit attaching the propellant
2 introduction nozzle to an atomizing spray dispenser.

1 7. The apparatus of claim 4 wherein the operational valve is deployed via a downward force
2 exerted upon a valve actuation portion of said nozzle.

1 8. The apparatus of claim 4 wherein said propellant is generally regarded as a propellant
2 alternative to chlorofluorocarbon and is chemically represented as 1,1,1,2 tetrafluorethane.

1 9. An apparatus for facilitating an environmentally friendly insect eradication method and
2 apparatus, said apparatus comprising:

3 a canister having a pressurized, non-flammable, non-ozone depleting fluorocarbon
4 propellant disposed therein, the so disposed propellant causing said canister to have a pre-
5 voided internal pressure within the approximate range of from about 75 psig to about 150
6 psig;

7 a gas propellant operational valve, said valve having an operational pressure of
8 between 75 psig and 150 psig and operatively connecting the cannister with a propellant
9 introduction nozzle;

10 a dispersal nozzle adaptively attached to said valve; and

11 a tubular conduit attached to said dispersal nozzle and a propellant injector tip to
12 communicate propellant from the interior of said canister into the internal portion of a tree
13 or other invaded structure causing a crushing or otherwise displacing effect upon an invasive
14 insect accommodated therein.

1 10. The apparatus of claim 9 further comprising an exiting conduit attaching the propellant
2 introduction nozzle to an atomizing spray dispenser.

1 11. The apparatus of claim 9 wherein said cannister further comprises a re-filling valve suitable
2 having an operational pressure of between 75 psig and 150 psig to recharge the internal
3 portion of said cannister with a pressurized, non-flammable, non-ozone depleting
4 fluorocarbon propellant.

1 12. The apparatus of claim 9 wherein the operational valve is deployed via a downward force
2 exerted upon a valve actuation portion of said nozzle.

1 13. The apparatus of claim 9 wherein said propellant is generally regarded as a propellant
2 alternative to chlorofluorocarbon and is chemically recognized as 1,1,1,2 tetrafluorethane.